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Michael D. Schroeder , David D. Clark , Jerome H. Saltzer
 Proceedings of the sixth symposium on Operating systems principles
 November 1977
 We describe a plan to create an auditable version of Multics. The engineering experiments of that plan are now complete. Type extension as a design discipline has been demonstrated feasible, even for the internal workings of an operating system, where many subtle intermodule dependencies were discovered and controlled. Insight was gained into several tradeoffs between kernel complexity and user semantics. The performance and size effects of this work are encouraging. We conclude that verifi ...
- 2** Guarded page tables on Mips R4600 or an exercise in 100%

architecture-dependent micro optimization
 Jochen Liedtke , Kevin Elphinstone
 ACM SIGOPS Operating Systems Review January 1996
 Volume 30 Issue 1
 Guarded Page Tables implement huge sparsely occupied address spaces efficiently and have the advantages of multi-level tables (tree structure, hierarchy, sharing). We present an implementation guarded page tables on the R4600 processor. The paper describes both the architecture-dependent design process of the algorithms and the resulting tool box.

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